

Title (en)
POLY(PHENYLENE ETHER) COMPOSITION, ARTICLE, AND METHOD

Title (de)
POLY(PHENYLENETHER)ZUSAMMENSETZUNG, GEGENSTAND UND VERFAHREN

Title (fr)
COMPOSITION DE POLY(OXYDE DE PHÉNYLÈNE), ARTICLE ET PROCÉDÉ

Publication
EP 2838953 A1 20150225 (EN)

Application
EP 13777626 A 20130409

Priority

- US 201261625891 P 20120418
- US 201213457616 A 20120427
- US 2013035733 W 20130409

Abstract (en)
[origin: US8530552B1] A composition includes specific amounts of poly(phenylene ether), polymerized styrene residue, and polymerized acrylonitrile residue. The composition can be prepared using a recycled homopolystyrene that includes an acrylonitrile copolymer as an impurity. The composition largely preserves the desirable properties of a corresponding composition prepared from virgin resins without requiring chemical compatibilization of the poly(phenylene ether) and the acrylonitrile copolymer.

IPC 8 full level
C08L 71/12 (2006.01); **C08J 5/00** (2006.01); **C08K 5/523** (2006.01); **C08L 25/04** (2006.01); **C08L 33/20** (2006.01)

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C08L 71/12 (2013.01 - EP US); **C08K 5/523** (2013.01 - EP US); **C08L 25/06** (2013.01 - EP US); **C08L 25/12** (2013.01 - EP US); **C08L 2205/035** (2013.01 - EP US); **C08L 2666/40** (2013.01 - EP US); **C08L 2666/84** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 8530552 B1 20130910; CN 104245841 A 20141224; CN 104245841 B 20170531; EP 2838953 A1 20150225; EP 2838953 A4 20160113; EP 2838953 B1 20181212; JP 2015514846 A 20150521; JP 5986291 B2 20160906; KR 101924912 B1 20181204; KR 20150002806 A 20150107; WO 2013158405 A1 20131024

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US 201213457616 A 20120427; CN 201380020922 A 20130409; EP 13777626 A 20130409; JP 2015507042 A 20130409; KR 20147031748 A 20130409; US 2013035733 W 20130409